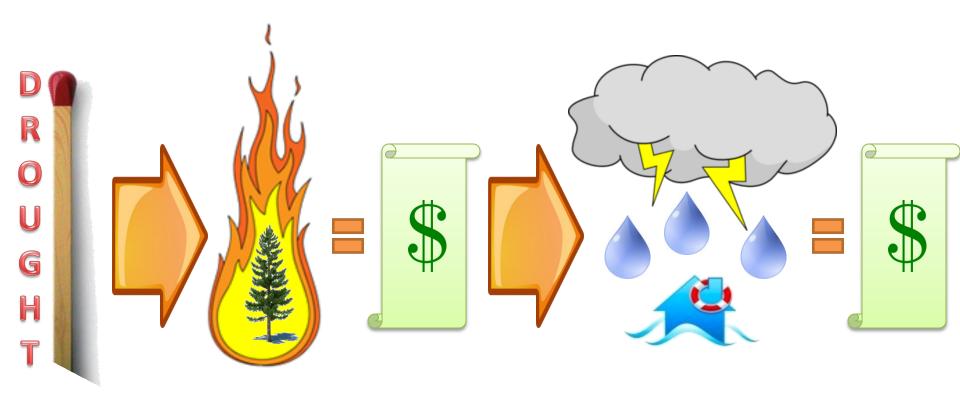


Anthony Cox
Hazard Assessment Officer
Arizona Department of Emergency and Military Affairs



#### **AGENDA**

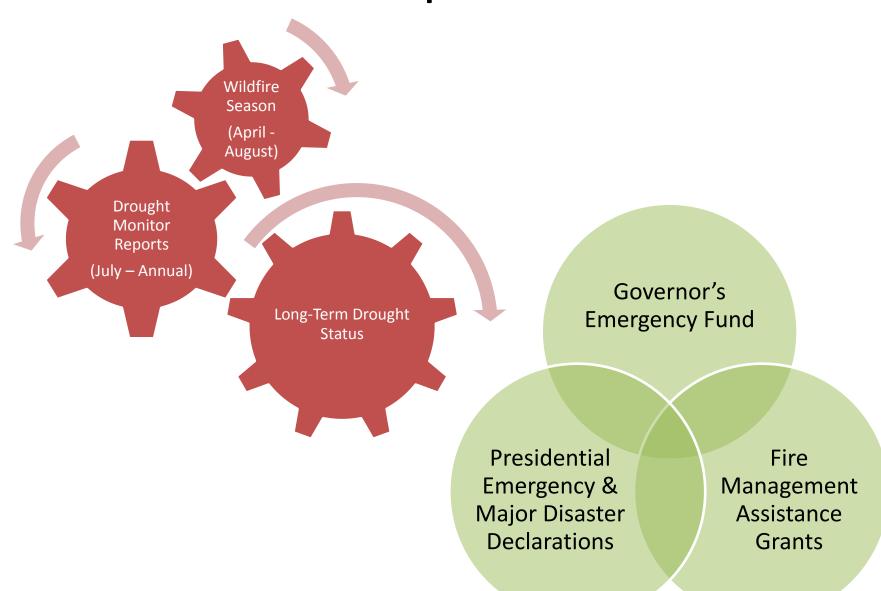


"In summary, drought plays multiple roles in creating conditions that promote fire in Arizona.

Persistent drought can stress trees, reduce resistance to insect outbreaks and pathogens, and over time cause directly and indirectly forest mortality and changes in the composition and structure of forests. Drought reduces fuel moisture, and persistent drought can substantially reduce the moisture of large, heavy dead and live fuels; thus drought serves as a catalyst to fire."

~ Arizona Drought Preparedness Plan – Background & Impact Assessment (pp. 10-11)

#### **Assumptions**



#### Wildfire Totals In Arizona Since 2002

- 2002 -- 3,041 fires, 700,101 acres
- 2003 -- 2,876 fires, 192,538 acres
- 2004 -- 2,602 fires, 219,900 acres
- 2005 -- 4,027 fires, 975,456 acres
- 2006 -- 3,274 fires, 177,427 acres
- 2007 -- 2,240 fires, 101,381 acres
- 2008 -- 1,850 fires, 85,496 acres
- 2009 -- 2,371 fires, 263,358 acres
- 2010 -- 1,517 fires, 74,445 acres
- 2011 -- 1,988 fires, 1,016,428 acres
- 2012 -- 1,610 fires, 209,338 acres

Sources: Southwest Coordination Center, National Interagency Fire Center

177,

**Fire State** 

**FMAG\*** 

**Federal** 

**Pre-Suppression** 

\$192,390.07

\$6,942.71

\$658,092.61

Bring La Barranca

**Potato** 

**Brins** 

Woody

Pota

Maa

\$65,775.53

\$36,241.71

\$135,566.78

erm h. 2006

edness Plan Committee

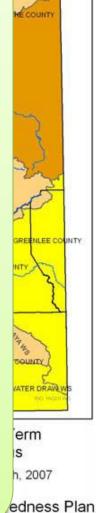
E COUNTY

\* Watershed merged due to limited data.

Fire State FMAG\* Federal

• 2,2

• 101



al Committee

\* Watershed merged due to limited data.

Fire

Lane 2

• 85,4

• 1,8!

Lan

M P

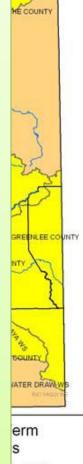
M C

State

**FMAG\*** 

**Federal** 

\$167,186.15



h, 2008

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**FMAG\*** 

• 2,3

**State** 

**Federal** 

Mule Pass

Fire

\$400,123.12

• 263 Water Wheel

\$192,972.73

Wa

Mu

erm h, 2009

edness Plan Committee

GREENLEE COUNTY

1,5:

Hardy

Fire

• 74,4 Schultz

Flood

Schultz

State

FMAG\*

\$612,234.29

\$585,290.52

**Federal** 

**Federal** 

\$6,688,078.62

Har

M F

**%** 

Sch

M F

State

\$879,520.02

erm

1, 2010

HE COUNTY

edness Plan Committee

CREENLEE COUNTY

\*Watershed merged due to limited data

| • | 1 | 98 |
|---|---|----|
|   |   |    |

• 1,01

Fire State

Horseshoe Two

\$98,293.23

\$196,066.86

Locu Monument

Flood

Wallow

Tombstone

Greenlee

2 Coconino

Mon

A S

**3** 

\**\**\\_\_\_\_\_

**FMAG\*** 

\$750,000.00

\$3,692,476.71

\$1,558,915.07

**Federal** 

**Federal** 

State

See HS2

\$106,000.00

\$400,000.00

\$500,000.00

erm s

n. 2011

HE COUNTY

edness Plan Committee

GREENLEE COUNTY

Drought - Exceptional \*\* As of January 2011, drought categories have been adjusted to be consistent with the U.S. Drought Monitor.

Fire

**State** 

**FMAG\*** 

**Federal** 

• 1,61

Gladiator

\$30,000.00

• 209 Flood

**State** 

**Federal** 

Gladiator

\$100,000.00

Γerm th, 2012

DOUNTY

HE COUNTY

edness Plan Committee

REENLEE COUNTY



#### 2006 - 2012

| Fires              | State            | FMAG*               | Federal        |
|--------------------|------------------|---------------------|----------------|
|                    | \$1,529,692.87   | \$8,854,875,22      |                |
|                    | (\$2,213,718.81) |                     |                |
|                    | \$3,743,411.68   | \$6,641,156.41      |                |
| Floods             | State            | FMAG                | Federal        |
|                    | \$1,985,520.02   |                     | \$6,688,078.62 |
| Total              | State            | FMAG                | Federal        |
|                    | \$5,728,931.70   | \$6,641,156.41      | \$6,688,078.62 |
|                    |                  |                     |                |
| <b>Grand Total</b> | \$19,058,166.73  |                     |                |
|                    | *                | State of Arizona pa | ys 25% of FMAG |

#### Prior Notable Fire Declarations

| Year  | Fire  | State          | FMAG           | Federal               | GRAND TOTAL     |
|-------|---|----------------|----------------|-----------------------|-----------------|
| 1999  | Rainbow   | \$185,792.94   | Not Available  |                       |                 |
|       | Indian  | \$150,882.40   | \$766,588.42   |                       |                 |
| 2002  | Rodeo/Chediski                                      |                |                |                       |                 |
|       | (468,638 acres)                                     | \$1,418,717.63 | \$3,388,408.47 | \$1,238,463.33        |                 |
| 2003  | Aspen<br>(84,750 acres)                             | \$675,568.52   | \$2,312,991.73 | \$5,363,459.27        |                 |
|       | Kinishba  | \$33,358.85    | \$286,116.51   | <b>γ3,303,439.2</b> 7 |                 |
| 2004  |   | . ,            | . ,            |                       |                 |
|       | Nuttall Complex &<br>Willow Fire<br>(119,500 acres) | \$281,298.28   | \$251,890.75   |                       |                 |
| 2005  | (113,300 deres)                                     | Ψ201,230.20    | Ψ231,030.73    |                       |                 |
|       | Cave Creek Complex<br>(243,950 acres)               |                | \$506,548.12   |                       |                 |
|       | Edge Complex<br>(71,635 acres)                      |                | \$8,644.57     |                       |                 |
| TOTAL |   | \$2,745,618.62 | \$7,521,188.57 | \$6,601,922.60        | \$16,868,729.79 |

#### Other Drought Related Declarations

| Year  | Declaration   | State          |
|-------|---|----------------|
| 2001  |   |                |
|       | Potable Water<br>(Gila County)                        | \$42,111.38    |
| 2003  | , ,,  | 742,111.50     |
|       |   |                |
|       | Potable Water<br>(Coconino, Gila, & Navajo<br>County) | \$42,844.61    |
|       | County)   | \$42,644.01    |
|       | Forest Health   | 40.040.00      |
|       | (Bark Beetle)   | \$2,319,881.57 |
| TOTAL |   | \$2,404,837.56 |